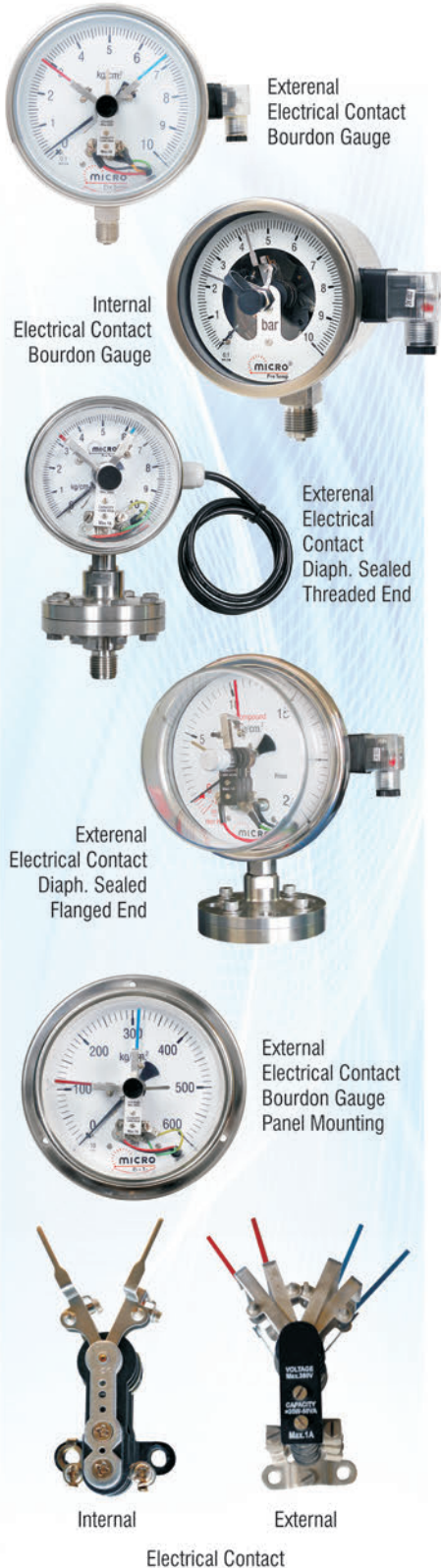


MICRO pressure gauges with electrical contacts, these incorporate a mechanical magnetic snap action contact mechanism in to an analogue pressure indicator. They generate ON and OFF electrical signals at preset value of measurement. These signals can be used to activate or deactivate buzzer, alarm, pilot lamp, control motor, pump, valve or any other process which requires controlling. These eliminate the need of separate switches for such controlling of equipments. Point of actuation is adjustable between 10% to 90% of FS.



PRESSURE GAUGES



External Electrical Contact Bourdon Gauge

Internal Electrical Contact Bourdon Gauge

External Electrical Contact Diaph. Sealed Threaded End

External Electrical Contact Diaph. Sealed Flanged End

External Electrical Contact Bourdon Gauge Panel Mounting

Internal

External

Electrical Contact

Technical Specifications: (Confirming to EN-837-1 or 3 & IS-3624)

- **Nominal size :**
Ø 100 & 150 mm
- **Accuracy :**
Gauge: $\pm 1\%$ of FS
Switching: $\pm 2\%$ of FS
- **Case & Bezel :**
SS 304 case with Snap Action bayonet lock type bezel (SS 316 Optional)
- **Ingress Protection :**
IP 65 as per EN 60 529 or IS/IEC 60 529
IP 68 as per IS/IEC 60 529 - Optional
- **Pressure element – Bourdon Tube :**
SS 316 / SS 316L / SS 316Ti (Monel 400 Optional)
(< 100 bar 'C' shape / ≥ 100 bar helical shape)
- **Over pressure limit :**

≤ 100 bar	- 125% of FS
> 100 bar < 600 bar	- 115% of FS
> 600 bar < 1600 bar	- 110% of FS
- **Movement :**
SS 304 (SS 316 optional)
- **Socket :**
SS 304 / SS 316 / SS 316L (Monel 400 Optional)
- **Dial :**
Aluminium – Pre-coated White with black marking
- **Pointer :**
Aluminium – Black Finish Center zero / Micro Zero Adjustment
- **Window :**
Extended Clear Poly Carbonate Hood / Transparent Acrylic
- **Joints :**
Argon welded
- **Sealing gasket :**
Neoprene Rubber (EPDM Optional)
- **Blow out protection :**
Neoprene Rubber (EPDM Optional)
On Back of Case
- **Pressure relief :**
Top of Case with Vent Valve (On request)
- **Process Connection :**
1/4" / 3/8" / 1/2" BSP / NPT / BSPT (Male)
M20 X 1.5 (Male), Other Male or Female Connection On Request
- **Permissible temperature :**
Ambient : -25°C to 65°C
Process : Maximum 100°C
- **Type of mounting :**
Bottom Connection Direct Mounting
Back Connection Direct Mounting
Bottom Connection Surface Mounting
Back Connection Panel Mounting
Back Connection Bracket Mounting
- **Pressure range :**
 $-30''$ Hg ... 0 ... 2500 bar
- **Contact Type – (Internal / External) :**
Magnetic Snap Action with Silver Nickel Alloy Contact Standard (Palladium Contact Optional)
- **No. of Contact & Configuration :**
Single (1NO, 1NC) / Double (1NO+NC, 1NC+NO, 2NO, 2NC)
- **Contact Rating :**
380 V AC/DC, 50 VA, 1 Amp (Standard) / Max. 5 Amp (Optional)
- **Contact Set Point :**
Between 10 to 90 % of FS
- **Optional Available features :**
 - Customized Scale with different Unit of Measurement or logo
 - Electrical Contact gauge attached with Diaphragm Seal
 - Electrical Contact with Differential Pressure Gauge
 - Electrical Contact with Schaffer or Low Pressure Diaphragm Operated Gauge
 - Triple / Quadruple Contact
 - Inductive Contact, Potential Free Contact

APPLICATION

- Monitoring
- Controlling & Regulating Industrial Processes by using contact signals.